

first means responsive to a predetermined first application program interface call from one of said plurality of threads for setting a prescribed flag to one of first and second states;

second means for detecting, after said flag is set to said one state, a prescribed change in a state of said scheduling policy, and for setting said flag to a other one of said first and second states; and

third means responsive to a predetermined second application program interface call constituting a pair with said first application program interface, from said thread, for returning a value indicative of the state of said flag to said thread.

2. The program control apparatus according to claim 1, wherein

said first means includes means responsive to an application program interface call from one of said plurality of threads which requests start of detection of presence/absence of a context switching, for setting a flag indicating presence/absence of a context switching to a state indicating absence of a context switching;

said second means includes means for setting, after said flag is set to the state corresponding to the absence of a context switching, said flag to a state corresponding to presence of a context switching; and

said third means includes means responsive to an application program interface call from one of said plurality of threads which requests termination of detection of presence/absence of a context switching, for returning a value corresponding to the state of said flag to said thread.

24. A method of program control, comprising the steps of:

in response to an application program interface call from a thread from a plurality of threads which requests start of detection of a presence or absence of context switching, setting a flag indicating absence of context switching;

disabling context switching between threads when said flag is set to correspond to absence of context switching;

after said flag is set to the state corresponding to absence of context switching, setting said flag to a state corresponding to presence of context switching;

enabling context switching between threads when said flag is set to correspond to presence of context switching; and

in response to an application program interface call from said thread which interface requests termination of detection of such thread.

25. A method of program control, comprising the steps of:

in response to an application program interface call from a thread from a plurality of threads which requests start of detection of a presence or absence of a data write to a designated memory area, setting a flag indicating the absence of a data write;

setting said flag to a state corresponding to presence of a data write when there is a data write to said designated memory area; and

in response to an application program interface call from said thread which interfaced requests termination of detection of presence/absence of a data write to the designed memory area, returning a value corresponding to the state of said flag to said thread.

32. A computer readable recording medium storing a program control program allowing a computer to execute a program control method, said program control method includes the steps of

in response to an application program interface call from a thread which requests start of detection of a presence or absence of context switching, setting a flag indicating the absence of context switching;

in response to an application program interface call from the thread, and after said flag is set to the state corresponding to the absence of context switching, setting said flag to a state corresponding to presence of context switching; and

in response to an application program interface call from said thread which requests termination of detection of the presence or absence of a context switching, returning a value corresponding to the state of said flag to said thread.

33. A computer readable recording medium storing a program control program allowing a computer to execute a program control method, said program control method comprising the steps of:

in response to an application program interface call from a thread which requests start of detection of a presence or absence of a data write to a designated memory area, setting a flag indicating an absence of data writes;

setting said flag to a state corresponding to presence of a data write when there is a data write to said designated memory area; and

in response to an application program interface call from said thread which interface requests termination of detection of presence/absence of a data write to the designated memory area, returning a value corresponding to the state of aid flag to said thread.